

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-169478

(43)Date of publication of application : 14.06.2002

(51)Int.Cl. G09F 9/00
G02B 5/08
G02B 5/10
G02F 1/13357
G09F 13/04

(21)Application number : 2000-362759

(71)Applicant : MATSUI KOICHI

(22)Date of filing : 29.11.2000

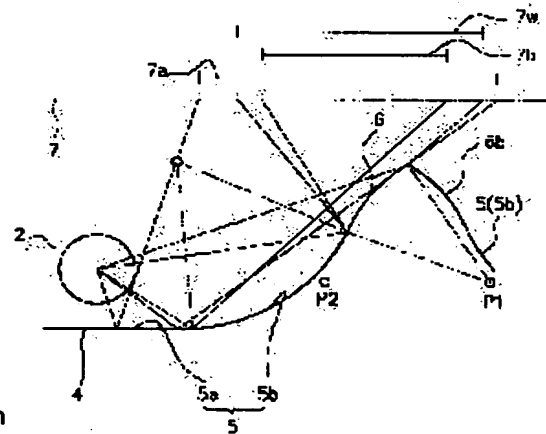
(72)Inventor : MATSUI KOICHI

(54) DIRECTLY UNDER TYPE ILLUMINATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To secure the productivity of a light reflector of high brilliance and high homogeneity by facilitating the settings of the reflective unit of each light source in the light reflector of a directly under type illuminator.

SOLUTION: The reflective unit 4 of each light source 2 of a light reflector 3 is constituted by intermediate reflection planes 5 at both sides of the light source 2, and curved light reflectors 6 at both ends. The central positions P1 and P2 of the circular arc of each curved light reflector 6 are displaced to a reflective unit 4 side adjacent from the directly under position of the center of the light source 2, respectively, and the adjacent curvature reflection plane 6 have the cross-sectional shape in the upper end intersection of a circular arc with a different center 2. Thereby, reflected light is prevented from deeply entering into the adjacent reflective unit 4 side while turning reflected light to the light source 2 side, and from influencing the settings of each reflective unit 4.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision]

of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office